

DERWENT-ACC-NO: 1987-097827

DERWENT-WEEK: 198714

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TITLE: Coolant for boiling-condensn. type
engines - comprise silicone oil and glycol(s) and opt.
corrosion inhibitor

PRIORITY-DATA: 1985JP-0185699 (August 26, 1985)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
JP 62045681 A	February 27, 1987	N/A
005	N/A	

INT-CL (IPC): C09K005/04

ABSTRACTED-PUB-NO: JP 62045681A

BASIC-ABSTRACT:

Compsn. for cooling an engine by latent heat of vaporisation of the coolant comprises silicone oil and glycol(s) and can be replenished by water addn. Pref. the coolant compsn. comprises silicone oil and ethylene glycol and/or propylene glycol and opt. corrosion inhibitor, e.g., benzotriazole, benzothiazole, amine, phosphate or nitrate and colourant.

USE/ADVANTAGE - Compsn. inhibits foaming or boiling. Replenishment is carried out with water or commercially available antifreeze.

In an example, compsn. was formulated from silicone oil (Silicone Oil KF 96, L.O.O. 65 available from SHIE, 5 wt.%), ethylene glycol (95 pts.wt.), triethanolamine (3 wt.%), benzotriazole (0.1 wt.%),

phosphoric acid (0.8 wt.%)
and colourant (1:2 mixt. of Uranine C and Alizarine Cyanine
Green G, 0.2 wt.%)
and water is added to a concn. of ethylene glycol of 30%.
Compsn. showed no
foaming immediately after boiling and after boiling for 1
hr..

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Basic Abstract Text - ABTX (3):

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